

Hyd 2647

Ind 3452-3472

615 Turns., Correction 17.

Tanner Reel.

Turns. Corⁿ

100 - 0

150 - 1

200 - 2

250 - 3

300 - 4

350 - 5

375 - 6

400 - 7

425 - 8

450 - 9

475 - 10

500 - 11

525 - 12

550 - 13

~~560~~ ~~14~~

~~565~~ ~~14~~

~~580~~ ~~15~~

~~600~~ ~~16~~

~~615~~ ~~17~~

Correct in
same manner
as for Sigbee

30 turns - + 1

30 to 50 - + 2

50 to 80 + 3

560

271

289

615

27

590

16

Begun
Dredge No 3452

Hydro No 2647
Ends

Dredge No

Hydro No

560 8 14
30 12
530

560 615
134 47
4 568

560
57
509

560
561
205

615

615
44
571

560
56
504

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3452 *Dr* Date August 29th 91 -

Tanner Machine. — Reel. —

Turns 119 Cor. + 6 Depth 125 fms

Shot or lead 26 lb

Bottom *cky bk g.*

Bottom temperature 44.5

No. of thermometer 69476 Cor. —

Corrected temperature 44.5

Air 57° Surface 53° Drift *1 mile E. & S.*

Trawl or dredge *L. 15*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

am 11.41.35

44.10

0

am 11.57.00

28.30

42.25

43.40

100

12.03.00

25.15

42.40

11.43.00

200

06.30

22.15

300

10.00

12.19.00

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Mr. Alexander left ship with dory and collection boats to set trawl line at 12.30 - returning at 3.15.

*Caught - 14 Black Cod
Maximum weight 70 lbs.
Average weight 12 1/2 lbs.*

Boats used as buoys on each end of the trawl line.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2 Sebastolobus
 7 Aulethon, 1 Astrophyton
 2 doz. urchins, 1 pint prawns
 few brachiopods, peatun & other shells.
 Ophiurans, 2 sp. stars.

No. *3453 Dr.* Date *August 29/91*
Turner Machine. Reel.

Turns *114* Cor. + *6* Depth *120*

Shot or lead *26 lbs*

Bottom *gy S bk sp.*

Bottom temperature *44.4*

No. of thermometer *69476* Cor. -

Corrected temperature *44.4*

Air *61°* Surface *57°* Drift

Trawl or dredge *S B* *1 3/4 m E N E*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.W.</i> <i>H-46-0</i>	<i>49-0</i>	0	<i>4-51-0</i>	<i>36-0</i>
<i>47-0</i>	<i>4-48-0</i>	100	<i>55-0</i>	<i>38-0</i>
		200	<i>59-0</i>	<i>30-0</i>
		300	<i>5.00-0</i>	<i>5-27-0</i>
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

1 *Atheresthes stoumian*2 *Sebastodes* (like *pininger*) *lunulatus*

6 scales - 2 species

pink red prawns

" ophiurans.

1 holothurians

1/2 doz shells

No. 2647 Hyd^{ro}. Date September 1st 91
 Tanner Machine. - Reel. -

Turns 69 Cor. + 5 Depth 74 fms

Shot or lead 26 lbs.

Bottom R.

Bottom temperature 45²

No. of thermometer 69476 Cor. -

Corrected temperature 45²

Air 53 Surface 52 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6 22.30	6.23.30	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

At 6²⁸ lowered dory and flat boat, to set
 trawl, Mr. Alexander in charge, returning
 at 8:40 AM. Caught 1 Salmon.
 Set one cod trawl, mooring each end
 by a boat in addition to the usual buoys.

Shoal water - short rocky bottom.
 anchors dragged - most of buoys washed
 up.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Tanner

Machine. — Reel.

Turns

Cor. +

Depth

Shot or lead 26 lb

Bottom gy. s. l.

Bottom temperature 44.2

No. of thermometer 69476 Cor. —

Corrected temperature 44.2

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

36.00

0

18.00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Catch 1000 ft. and
 1000 ft. and 1000 ft. and
 1000 ft. and 1000 ft. and

Trawl 1000 ft.

2 deep-sea 2 deep-sea

11 fathoms 11 fathoms (11 fms.)

22 fathoms 22 fathoms

33 fathoms 33 fathoms

No. 5700 Date Sept 1

Tanner Machine. Reel.

Turns 146 Cor. + 6 Depth 152 fms

Shot or lead 26 lbs.

Bottom gy. s. M.

Bottom temperature 44.5

No. of thermometer 69476 Cor. -

Corrected temperature 44.3

Air 59° Surface 54° Drift 1/2 S 1/2 E

Trawl or dredge L. B.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

10.39.50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns 130 Cor. + 6 Depth 136

Shot or lead 36 lbs

Bottom gy S

Bottom temperature 44.2

No. of thermometer 67476 Cor. -

Corrected temperature 44.2

Air 59.6 Surface Drift 4

Trawl or dredge Large

SOUNDING WIRE.

DOWN.	UP.
2-0	07-0
3-30	12-050
4-0	
5-0	
6-0	
7-0	
8-0	
9-0	
10-0	
11-0	
12-0	
13-0	
14-0	
15-0	
16-0	
17-0	
18-0	
19-0	
20-0	
21-0	
22-0	
23-0	
24-0	

DREDGE ROPE.

TURNS.	DOWN.	UP.
0	12-45-0	34-0
100	49-0	31-2
120	53-0	29-0
200	57-0	25-0
300	59-0	1-22-0
360		
400		
500		
600		
700		
800		
900		
1000		
1100		
1200		
1300		
1400		
1500		
1600		
1700		
1800		
1900		
2000		
2100		
2200		
2300		
2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		8 - Red	5000	
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Fishes
Asthenoteuthis 9
Stomatopoda pacificus 6
Cyrtopoda pacificus 3
Chironomus 10
 Skates 2
 Red gummy fish, few
 Deep-sea fish

No.

Date

Machine.

Reel.

Turns

Cor. +

7

Depth

142

Shot or lead

Bottom

gy. S.

Bottom temperature

44.2

No. of thermometer

6947.6

Cor. -

Corrected temperature

44.2

7/10 knot

Air

63°

Surface

52

Drift

N. 47 E.

Trawl or dredge

large

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4 02 00

06 15

15 10

2 35

7 1. 17

2 10

1

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1 2nd class 2nd class New 2 shells
 1/2 bu Small Serpant Olars
 3 scales
 1 dog fish
 1. 1st class 2nd class
 1 Pc Sea Urchin

No.

Date

Machine.

Reel.

Turns 10.9 Cor. +

6

Depth 115 fms.

Shot or lead 26 lbs.

Bottom dk. m. stones

Bottom temperature

No. of thermometer

604.76

Cor. —

Corrected temperature

Air 57° Surface

57°

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

30.00 34.00

31.15 32.20

31.40 7.31.50

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

11110

1417
V.8

1100

No. *127* Date *July 10**Ganner* Machine. Reel.Turns *117* Cor. +Depth *112*Shot or lead *36 lb*Bottom *gy S. r. v*Bottom temperature *44.5*

No. of thermometer

Cor. -

Corrected temperature *44.5*Air *57* Surface*153* Drift *N. x E.*Trawl or dredge *Ch*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

19.00

100

*53.00**14.30*

200

*56.00**12.00*

300

*10.00.0**09.30*

400

*02.0**10.08.00*

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1 Net upset & tangled from jumping over rocks

1/2 pk. Red Brown - 2 (20 ft. ...)

1/2 pk. ...

few ophiurans - 1 Crino

few shell

2648

No. 2648 Date *April 25 1881*

V Sanner Machine. Reel.

Turns 88 Cor. + 5 Depth 93 fms

Shot or lead 26 lb

Bottom Sand P.

Bottom temperature 44.5

No. of thermometer 69416 Cor. -

Corrected temperature 44.5

Air 59 Surface 53 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.17.10	12.20.00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *12* Date *Aug 12 1882*
Tanner Machine. Reel.
 Turns *49* Cor. + *4* Depth *53 fms*
 Shot or lead *26 lbs.*
 Bottom *gy. s.*
 Bottom temperature *46.8*
 No. of thermometer *60476* Cor. -
 Corrected temperature *46.8*
 Air *59* Surface *53* Drift *2 N 1/2 E*
 Trawl or dredge *Large Beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.47.36</i>	<i>12.50.00</i>	0	<i>12.53.20</i>	<i>20.00</i>
		100	<i>56.55</i>	<i>16.00</i>
		200	<i>59.02</i>	<i>1.14.15</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2-57 v Alvarado
2-58 v (The Co. Trawl)
3-34
Sea Pen
Sea M. w. c.
Naked Colloids

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				2.0° at surface, few fathoms Spherical shells, few fathoms
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Fishes:
 1 young haddock (*Clupea harengus*)
 1 *Uluca staminea* pale color
 3 *Paraprionotus reticulatus*
 6 *Glyptocephalus* *gastrophysus*
 5 *Callinectes* *corbiculus*
 1 skate. 12 crab-eggs.

No. *2650* *Hay* Date *Sept 2*

Machine. Reel.

Turns *41* Cor. + *3* Depth *44 fms*Shot or lead *26 lbs*Bottom *gy. s*

Bottom temperature

No. of thermometer *69476* Cor. -Corrected temperature *49°*Air *60* Surface *54* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*6-12 mips**6-12**6-12*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *3461* Date _____
Tanner Machine. Reel.

Turns *108* Cor. + *6* Depth *114*

Shot or lead *26 lbs.*

Bottom *gy. s. & R. R.*

Bottom temperature *44*

No. of thermometer *44*

Cor. *1/2*

Corrected temperature *44*

Air *60* Surface *54* Drift

Trawl or dredge *Long*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>36.00</i>	<i>39.00</i>	0	<i>3.40</i>	<i>10.30</i>
		100		<i>07.30</i>
		200	<i>49.00</i>	<i>05.00</i>
		300	<i>52.00</i>	<i>4.03</i>
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Fishes:
 2 *Microstomus* ...
 2 dog, small ...
 few ...
 1 br. ...
 few of ...

No. *6000* Date *Sept 11*
Tanner Machine. Reel.
 Turns, *60* Cor. + *4* Depth *64*
 Shot or lead *35 lb*
 Bottom *S + P*
 Bottom temperature *45°*
 No. of thermometer Cor. -
 Corrected temperature *45°*
 Air *52°* Surface *50* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Tanner

Machine.

Reel.

Turns 90 Cor. + 5

Depth 95 fms

Shot or lead 26 lb

Bottom

Rky.

Bottom temperature

No. of thermometer

69476

Cor. -

Corrected temperature

44.4

Air

56

Surface

57

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

90

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Haw. brought & dog the

(1. Co. haul) 200 fms out with the hauler and can be pulled

No. 4 wire at the end of the haul

Haw. brought & dog the

Haw. brought & dog the

Haw. brought & dog the

Haw. brought & dog the

Mr. A. under the ship the dog
at 92 and set down
Release at 11:00

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1007

No. 3462 Dr. Date Sept.

Machine. Reel.

Turns 87 Cor. + 5 Depth 92 fms.

Shot or lead 26 lbs.

Bottom dk. s. Rhy.

Bottom temperature 44.0

No. of thermometer 69471 Cor. -

Corrected temperature 44.8 N.E.

Air 51 Surface 53 Drift 1/2 mile

Trawl or dredge S.B.

SOUNDING WIRE.

DOWN. UP.

12.38.00 40.40
39.00 12.39.10

24 to 12.40
12.40 Pm. to set trawls lines
12.45 set the red net

12.51 11.00 log in

4 line

TURNS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

DREDGE ROPE.

DOWN. UP.

10.00
07.00
11.05.00

at 12.40 a net
being sent

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1 ~~red water~~ *red water*
 1 *Col. water* 1 *Chimney*
 2 *gts. water* 1 *gts.* 1 *gts.*
 1 *gts. water* 1 *gts.*
 small *prob.* 1 *Liparis.*

No. *54* Date *June 1*
Tanner Machine. Reel.
 Turns *43* Cor. + *2* Depth *45 fathoms*
 Shot or lead *26 lbs.*
 Bottom *gy. S.*
 Bottom temperature *47.5*
 No. of thermometer *69476* Cor. -
 Corrected temperature *47.8*
 Air *56°* Surface *52°* Drift *1/2 m*
 Trawl or dredge *Large Beam.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500'
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

*at, 2000 ft.,
fishing, part*

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hermit Crab

No.

Date

Annon Machine. Recl.

Turns 34 Cor. + 2 Depth 40 fms

Shot or lead 26 lb

Bottom gy S + P

Bottom temperature 7.1

No. of thermometer 69476 Cor. -

Corrected temperature 47.8

Air 61° Surface 55° Drift 4m 24 3/4

Trawl or dredge Large Beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

07-0

11-12-50

no water

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

11 ...
 1/20 brachiopods & other shells.
 few small fishes, ...
 ...
 ...
 2 sp. ...

No. 2653 *Box 1* Date *Sept*
Jan Machine. Reel.

Turns *51* Cor. + *4* Depth *55*

~~Shot or lead~~ *26 lb*

Bottom *gy. s. b. r.*

Bottom temperature *48.2*

No. of thermometer *69476* Cor. -

Corrected temperature *48.2*

Air *62* Surface *55* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN. UP.

DREDGE ROPE.

DOWN. UP.

TURNS

77 12.10.30 11.40

11.10 12.11.13

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

With nothing co. line could not reach

bottom at other tide

7 12.14 34

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *200* Date *Oct 1*

Sanner Machine. Reel.

Turns *18* Cor. + *1* Depth

Shot or lead *26 lb*

Bottom *Rhy*

Bottom temperature *53.5*

No. of thermometer *69476* Cor. -

Corrected temperature *53.5*

Air *59* Surface *58* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

03.15

1.04.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*at hauler a
line at 14
Oatol nothing*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2 B
507

No. 2465 Date Dec 11, 1891

Tanner Machine. Reel.

Turns 44 Cor. + 4 Depth 48 fms

Shot or lead 36 lbs

Bottom Rky.

Bottom temperature

No. of thermometer 69476 Cor. -

Corrected temperature 49.9

Air 55 Surface 55

Drift

Trawl or dredge Large

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 3466 Date Sept 4th 1881

Tanner Machine. — Reel.

Turns 55 Cor. + 4 Depth 59

Shot or lead 26 lbs.

Bottom gy. S. Sh. Rky.

Bottom temperature 48.5

No. of thermometer 69476 Cor. -

Corrected temperature 48.5 1/2 Knot

Air 58° Surface 53° Drift South

Trawl or dredge Large

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.53.10	55.00	0	3.57.00	22.00
54.10	3.54.20	100	4.00.00	19.00
		200	02.30	4.17.30
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700*	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

1 bu. *Urchins* REMARKS: 2 *Flounders*.
 1 pk. *Pectens*. *Shrimps*. *Hydroids*,
Shells with Hermits & C.

Lat. Sea Cable Logging

507.

No. 1. Date 11-11-1871.

Machine. #1 Reel.

Turns 48 Cor. + Depth 52

Shot or lead 35 lb.

Bottom fine. th. S.

Bottom temperature 49°

No. of thermometer 69 Cor. -

Corrected temperature 49°

Air 58° Surface 53° Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

50.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES:

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *3467* *NR* Date *19*
Seabee Machine. *#1* Reel. *Sta*
 Turns *284* Cor. + *26* Depth *310*
 Shot or lead *26 lbs.*
 Bottom *fine wh. s. bk. o/p.*
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air *75* Surface *76* Drift _____
 Trawl or dredge *small*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	<i>RM</i> UP.		DOWN.	UP.
<i>1. 58. 40</i>	<i>07. 30</i>	0		<i>31. 15</i>
<i>59. 30</i>	<i>06. 30</i>	100	<i>14. 10</i>	<i>28. 00</i>
		200		<i>25. 15</i>
		300		<i>22. 30</i>
		400		<i>19. 35</i>
		500	<i>32. 00</i>	<i>16. 50</i>
		600	<i>34. 50</i>	<i>13. 20</i>
		700	<i>3. 02. 00</i>	<i>3. 09. 50</i>
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	46.12
	3200	25.0
	3300	65.17
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1. ... 2. ...
 3. ...
 4. ...
 5. ...
 6. ...
 7. ...
 8. ...
 9. ...
 10. ...

Long

No.

3468

Date

Dec 30 1871

Haul

Machine.

Reel.

Turns --

Cor. +

Depth

17

Shot or lead

14 lbs.

Bottom

S. & Co.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

75

Surface

76

Drift

Trawl or dredge

Tangle

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE

DOWN.

UP.

0

4-22-30

124, 33-70

100

25-00

24-31, 110

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

0

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700	Note - Same position as Lurey Sta 294.			
800				
900				
1000				

REMARKS:

2 small red fishes
5 " urchins
3 " sponges
1 lg. " crab,
small piece coral,
considerable sponges & fragments

No. 3469.5-

Date

Dec 2 3-1891.

Machine. *gibber* / Reel. *1*

Turns 13 Cor. +

Depth 14 fms.

Shot or lead 38 lbs.

Bottom S. V. Co.

Bottom temperature —

No. of thermometer —

Cor. —

Corrected temperature —

Air 75

Surface 75

Drift

Trawl or dredge *Trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPL.

DOWN.

UP.

5-15-00

5-16-00

0

5-17-30

3-17-30

100

2-17-30

5-17-30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

6

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	Survey on			211 -
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2 large masses coral
1 starfish 1 opulian
2 shells
Algae bryozoa

Long

No. 1140 *AV* Date *Dec. 1, 1881*
Machine. #1 Reel. Navy

Turns *314* Cor. + *29* Depth *343 fms*

Shot or lead *38*

Bottom *wh. S.*

Bottom temperature *43.3*

No. of thermometer *69481* Cor. *-0.3*

Corrected temperature *43.0*

Air *17* Surface *76* Drift *0*

Trawl or dredge *L. B.*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TIME.	DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100	46.7	9.7
	3200	31.1	19.1
	3300	23.6	28.
	3400		31
	3500		34.2
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS: Good haul

Fishes: 6 sp. 4 spec, like *Peristurus*,
 1/2 pk. small, like *Macrurus*. 1 large fish.
 2 sp. Starfish, several spec,
 1 very large octopus, soft & fragile.
 6 sp. Prawns - numerous spec,
 1 naked mollusk & 2 spec.

No.

Date

December 4, 1891

Machine

Reel

Troy

Turns 308 Cor. + 29 Depth 337 fms

Shot or lead 38 lbs

Bottom fine

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

29 30

37.40

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	(1.6.12)
	3000	1.6
	3100	1.6
	3200	1.6
	3300	1.6
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500	No data at depth 500-1000			
600				
700				
800				
900				
1000				

REMARKS:

1. 10 fathoms
 2. 10 fathoms
 12 fathoms
 1. 10 fathoms
 1. 10 fathoms

Long

No. *111* Date *Aug 11*
Sigsbee Machine. *#1* Reel. *Navy*

Turns *277* Cor. + *5* Depth *282*

Shot or lead *38 lbs*

Bottom *fine silt S.*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *77* Surface *78* Drift *—*

Trawl or dredge *—*

SOUNDING WIRE.

DOWN.	UP.	TURNS.
		0
<i>54-30</i>	<i>5-0-0</i>	100
		200
		300
		400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

DREDGE ROPE.

DOWN.	UP.
<i>4</i>	<i>5-1</i>
<i>5</i>	<i>—</i>
	<i>17-30</i>
<i>15</i>	<i>40</i>
<i>29,00</i>	<i>5-35-00</i>

No. *3* Date *Oct 10*
Simonson Machine. Reel. *0 1/2*
 Turns *290* Cor. + *23* Depth *313*
 Shot or lead *60 lbs*
 Bottom *fine gy. S.*
 Bottom temperature *43.8*
 No. of thermometer *64480* Cor. —
 Corrected temperature *43.8*
 Air *75* Surface *76* Drift *1/2 m*
S x E 1/2 E
 Trawl or dredge *2 C.*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	2.377
	3700	3.36
	3800	3.36
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50			1.35	1.35
100			2.36	2.36
200			3.36	3.36
300				
400				
500				
600				
700				
800				
900				
1000				

John H. Quincy 3.56

REMARKS:

3 bottles
 4 glass weights etc. etc.
 1 large glass bottle
 1 small glass bottle
 1 glass bottle
 1 glass bottle
 3 bottles

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

06.10

14.30

0

8.18.41

15.4.00

15.40

100

22.30

15.4.50

25

13.05

200

25.35

15.1.10

300

400

25

8.11.00

500

31.35

45.30

600

34.30

42.53

700

37.30

37.36

800

40.30

33.20

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No.

Date

Sigsbee Machine. 41 Reel. Navy

Turns 326 Cor. + 25 Depth 351

Shot or lead

Bottom fine wht. s.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 77 Surface 76 Drift 1 1/2 N. 1/2 E.

Trawl or dredge Large Beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

29.30

36.30

100

40.35

59.50

200

300

400

500

54.30

110.50

600

57.30

42.50

700

11.01.50

38.00

800

04.55

11.33.40

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	3977
	3200	327
	3300	651
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

159
134
5

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				43
50				31
100				74
200				
300				
400				
500				
600				
700	Taken at Survey # 358.			
800				
900				
1000				

REMARKS:
 Fishes: 2 sp. *Macrurus*, 2 sp.
 Numerous stars, 2 sp.
 3 crinoids (Unidentified)
 Fossil shells - 3 sp. 3 flexible corals - flat.
 " naked mollusks, 1 squid
 Sponges with glass sponges, Anemones,
 Pennatulids

No. 3476 ⁵² Date Dec 26-1891

Sigsbee Machine. ²¹ Reel. *Tram.*

Turns 276 Cor. + 22 Depth 298 fms.

Shot or lead 60 lbs.

Bottom *fine wh. S.*

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 77 Surface 75 Drift

Trawl or dredge *L.B.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-56-30	03-00	0	1-04-30	23-00
57-45	02-15	100	15-30	19-30
58-45	01-30	200	10-00	16-30
59-30	00-45	300	13-30	13-30
		400	17-00	10-00
		500	20-30	06-45
		600	24-00	2-03-00
		700	28-00	1-59-30
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	39.77 1.59
	3200	37.7 1.37
	3300	37.01 1.2
	3400	37.0 1.1
	3500	37.0 1.0
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10				29
20				54
100				83
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Taken at 354.

REMARKS: small *Sebastes*
 Fishes: several sp. *Macrurus* & other
Sternopygus, Several spec. of a genus
 1000 *Monacanthus*, 1 *Octopus*
 Several young squid, Several sp. small
 crabs, 1 blind crab, *Pentachela*
Pennatulids, 1 *Viramid*, 1 *Hoplunn*
 Sponge. 3 sp. stars, 6 sp. *Præna*

Long.

No. 1100

Date April 7 1882

Machine. Reel.

Turns Cor. + 7

Depth 29 fms.

Shot or lead 21

Bottom brk. sh.

Bottom temperature

No. of thermometer Cor. —

Corrected temperature

Air 34° Surface 38° Drift —

Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4-31-15

37

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	(2 /
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 2204 Date

Tanner Machine. — Reel.

Turns 28 Cor. + 2 Depth 30 fms.

Shot or lead 26 lbs.

Bottom sh.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature

Air 54° Surface 55° Drift —

Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-51-00

51-45

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3205 Hy^d Date

Machine. Reel.

Turns 36 Cor. + 2 Depth

Shot or lead 26 lbs.

Bottom Sh. (Brachiopod.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 33° Surface 37° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-39-00 40-00

39-20 7-39-30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Long

No. *171* Date *July 1891*

Clamper Machine. Reel.

Turns *46* Cor. + *3* Depth *49*

Shot or lead *76 lbs.*

Bottom *blk. S. Y. G. Sh.*

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air *55°* Surface *58°* Drift

Trawl or dredge —

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

41-0

5-30
8-41-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3208 Date Hy
 Tanner Machine. — Reel.
 Turns 80 Cor. + 5 Depth 85
 Shot or lead 36 lbs.
 Bottom gy S & bk of
 Bottom temperature
 No. of thermometer — Cor.
 Corrected temperature
 Air 50 Surface 56 Drift
 Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom 00 9 57.0

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 53° Surface 58° Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11-59-0

12-03-0

0

12-01-0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500		
	2600		
	2700		
	2800		
	2900		
	3000	615	17
	3100	98	12
	3200	517	5-
	3300		98
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *3210* Date *Aug 10 1882*
 Machine. — Reel. —

Turns *103* Cor. + *4* Depth *107 fms.*
 Shot or lead *26 lbs*
 Bottom *wd + sand*

Bottom temperature
 No. of thermometer Cor. —

Corrected temperature
 Air *33* Surface *38* Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1105-</i>	<i>1-10-10</i>	0		
<i>07-10</i>	<i>1-07-15</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900	5.5	1.4
	3000	1.00	1.0
	3100	4.00	
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lost 5-5-fms wire

new string line 3/4 in long

No. *114* Date *11/14/00*

Harmon Machine. Reel.

Turns *113* Cor. + *5* Depth *118*

Shot or lead *36 lbs*

Bottom *fm. m. blk. specks*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *33* Surface *38* Drift *—*

Trawl or dredge *—*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-03-00

2-06-00

2-04-

2-04-

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
2700		
2800		
2900		
3000	55	7
3100	110	9
3200	455	5-
3300		
3400		
3500		
3600		
3700		
3800		
3900		
4000		

SERIAL TEMPÉRATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

May 1893 3 fms deep

Lat 507
Long

Long

No. 5212 Date April 5 1902

Machine. Reel.

Turns 99 Cor. + 4 Depth 102

Shot or lead 26 lbs

Bottom M. S. P. G. L.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 33 Surface 38 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-03-05	3-03-40	0		
3-04-00	3-04-10	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900	6.30	14
	3000	3.50	
	3100	47	
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3213 Hye Date 11.10.08

Sanner Machine. — Reel.

Turns 89 Cor. + 4 Depth 93

Shot or lead 26 lb

Bottom Oe. M. Ok. Sp.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift —

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Long.

No. 1111 Date April 11 1882

Machine. Reel.

Turns 17 Cor. + 1 Depth 20 fms

Shot or lead 26 lbs

Bottom gy S

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Long

No.

Date

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

NO. 10000 10000

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0		
		100		20.12
		200		63.12
		300		87.13
		400		711.14
		500		59.16
		600		83.19
		700		4 807.18
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		2
		2100		11 5
		2200		24
		2300		63
		2400		86

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

30.34		0		
50		100		
31.00		200		16
50		300		
32.00		400		
50		500		
33.00	9.7	600		
50	4.4	700		
34.00	9.1	800		1
50	3.3	900		
35.00	7.5	1000		
50	3.2	1100		
36.00	7.9	1200		4
50	2.6	1300		8.2
37.00	7.3	1400		1.5
50	3.6	1500		7.0
38.00	6.4	1600	500	8.2
50	1.3	1700		
39.00	5.9	1800		
50	5.8	1900		
40.00	5.5	2000		
50	5.5	2100		
41.00	4.6	2200		
50	4.6	2300		
42.00	4.2	2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Splice at 2928 turns 4735
 " " 3885
 " " 3730
 " " 3802
 " " 3835
 " " 4125
 " " 4432

No. *Octob 2* Date *1881*Machine. *(Reel)*

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

50-50-1400 ⁵⁰*1387*

0

100-100-50 ⁵⁰*1436*

100

200-200-85

200

300-300-53 ⁵⁰*1485*

300

400-400-83 ⁵⁰*1534*

400

500-500-62

500

600-600-31

600

700-700-17 ⁵⁰*1583*

700

800-800-8

800

900-900-18 ⁵⁰*1632*

900

1000-1000-77

1000

1100-1100-99 ⁵⁰*1681*

1100

1200-1200-75

1200

1300-1300-50 ⁵⁰*1730*

1300

1400-1400-71 ⁵⁰*1779*

1400

1500-1500-00

1500

1600-1600-00

1600

1700-1700-15

1700

1800-1800-65

1800

1900-1900-12

1900

2000-2000-60 ⁵⁰*1828*

2000

2100-2100-07 ⁵⁰*1877*

2100

2200-2200-56 ⁵⁰*1926*

2200

2300-2300-04 ⁵⁰*1975*

2300

2400-2400-51 ⁵⁰*2024*

2400

*2500-2500-48**2600-2600-48**2700-2700-47*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1st surface - 280 8" 2545 15" 4769
 2nd surface - 620 9" 2602
 3rd surface - 877 10" 3104
 4th surface - 1196 11" 3482
 5th surface - 1547 12" 3809
 6th surface - 1896 13" 4182
 7th surface - 2247 14" 4555

Lat $60^{\circ} 0' 0''$ N
Long $146^{\circ} 02' 14''$
507.

No. 3215 Hyd. Date April 18-1892

Tanner Machine. — Reel. —

Turns 52 Cor. + 3 Depth 55

~~Shot or lead~~ 26 lbs

Bottom S. and M.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8:45-00

8-46-00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Pat. Log 29.4

Cape Hinchenbrook 7-3/4 N (mag) dist 24 miles



$$\begin{array}{r} 2682 \\ 308 \\ \hline 4374 \end{array}$$

$$\begin{array}{r} 219 \\ 196 \\ \hline 22 \\ 308 \\ \hline 337 \end{array}$$

$$\begin{array}{r} 4782 \\ 48 \\ \hline 4934 \end{array}$$

$$\begin{array}{r} 6.15 \\ 00 \\ \hline 525 \end{array}$$



$$\frac{5000}{6}$$

$$584) 30000 \text{ (6)}$$

$$\begin{array}{r} 2946 \\ 88 \\ \hline 3034 \\ 18 \end{array}$$

$$\begin{array}{r} 3016 \\ 2 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 4452 \\ 41 \\ \hline 317 \end{array}$$

$$\begin{array}{r} 4454 \\ 314 \\ \hline 4769 \end{array}$$

Frang

1523

